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#3

SEQUENCE LISTING

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<120> MAMMALIAN CYTOKINE; RELATED REAGENTS

<130> DX0644KBK

<150> 09/363,993
<151> 1999-07-29

<150> 08/934,959
<151> 1997-09-22

<150> 60/345,690
<151> 2002-01-03

<150> 60/302,176
<151> 2001-06-28

<150> 60/027,368
<151> 1996-09-23

<160> 21

<170> PatentIn version 3.1

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Met Leu Val Asn Phe Ile
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ttg agg tgt ggg ttg ctg tta gtc act ctg tct ctt gcc att gcc aag 101
Leu Arg Cys Gly Leu Leu Leu Val Thr Leu Ser Leu Ala Ile Ala Lys
10 15 20

cac aag caa tct tcc ttc acc aaa agt tgt tac cca agg gga aca ttg 149
His Lys Gln Ser Ser Phe Thr Lys Ser Cys Tyr Pro Arg Gly Thr Leu
25 30 35

tcc caa gct gtt gac gct ctc tat atc aaa gca gca tgg ctc aaa gca 197
Ser Gln Ala Val Asp Ala Leu Tyr Ile Lys Ala Ala Trp Leu Lys Ala
40 45 50

acg att cca gaa gac cgc ata aaa aat ata cga tta tta aaa aag aaa 245
Thr Ile Pro Glu Asp Arg Ile Lys Asn Ile Arg Leu Leu Lys Lys Lys
55 60 65 70

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aca aaa aag cag ttt atg aaa aac tgt caa ttt caa gaa cag ctt ctg      293
Thr Lys Lys Gln Phe Met Lys Asn Cys Gln Phe Gln Glu Gln Leu Leu
                75                  80                  85

tcc ttc ttc atg gaa gac gtt ttt ggt caa ctg caa ttg caa ggc tgc      341
Ser Phe Phe Met Glu Asp Val Phe Gly Gln Leu Gln Leu Gln Gly Cys
            90                  95                  100

aag aaa ata cgc ttt gtg gag gac ttt cat agc ctt agg cag aaa ttg      389
Lys Lys Ile Arg Phe Val Glu Asp Phe His Ser Leu Arg Gln Lys Leu
        105                 110                 115

agc cac tgt att tcc tgt gct tca tca gct aga gag atg aaa tcc att      437
Ser His Cys Ile Ser Cys Ala Ser Ser Ala Arg Glu Met Lys Ser Ile
    120                 125                 130

acc agg atg aaa aga ata ttt tat agg att gga aac aaa gga atc tac      485
Thr Arg Met Lys Arg Ile Phe Tyr Arg Ile Gly Asn Lys Gly Ile Tyr
135                 140                 145                 150

aaa gcc atc agt gaa ctg gat att ctt ctt tcc tgg att aaa aaa tta      533
Lys Ala Ile Ser Glu Leu Asp Ile Leu Leu Ser Trp Ile Lys Lys Leu
                155                 160                 165

ttg gaa agc agt cag taaaccaaag ccaagtacat tgattttaca gttattttga      588
Leu Glu Ser Ser Gln
            170

aatacaataa gaactgctag aaatatgttt ataacagtct atttctttta aaaacttttt    648

aacataatac tgacggcatg ttaggtgatt cagaatagac aagaaggatt tagtaaatta    708

acgttttgga tataagttgt cactaatttg cacattttct gtgttttcaa ataatgtttc    768

cattctgaac atgttttgtc attcacaagt acattgtgtc aacttaattt aaagtatgta    828

acctgaatta actcgtgtaa tatttgtgtg tggagtggga tgtgggggt ggaggggaa     888

tgacagattt ctggaatgca atgtaatgtt actgagactt aaatagatgt tatgtatatg    948

attgtctgtt taagtgtttg aaaattgtta attatgccca gtgtgaactt agtacttaac   1008

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Ser Leu Ala Ile Ala Lys His Lys Gln Ser Ser Phe Thr Lys Ser Cys
            20                  25                  30
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Tyr Pro Arg Gly Thr Leu Ser Gln Ala Val Asp Ala Leu Tyr Ile Lys
35 40 45

Ala Ala Trp Leu Lys Ala Thr Ile Pro Glu Asp Arg Ile Lys Asn Ile
50 55 60

Arg Leu Leu Lys Lys Lys Thr Lys Lys Gln Phe Met Lys Asn Cys Gln
65 70 75 80

Phe Gln Glu Gln Leu Leu Ser Phe Phe Met Glu Asp Val Phe Gly Gln
85 90 95

Leu Gln Leu Gln Gly Cys Lys Lys Ile Arg Phe Val Glu Asp Phe His
100 105 110

Ser Leu Arg Gln Lys Leu Ser His Cys Ile Ser Cys Ala Ser Ser Ala
115 120 125

Arg Glu Met Lys Ser Ile Thr Arg Met Lys Arg Ile Phe Tyr Arg Ile
130 135 140

Gly Asn Lys Gly Ile Tyr Lys Ala Ile Ser Glu Leu Asp Ile Leu Leu
145 150 155 160

Ser Trp Ile Lys Lys Leu Leu Glu Ser Ser Gln
165 170

<210> 3
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Trp Ala Asp Asn Lys Tyr Asp Ser Glu Ser Gly Asp Asp Cys Pro Thr
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Leu Pro Thr Ser Leu Pro His Met Leu His Glu Leu Arg Ala Ala Phe
35 40 45

Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Met
50 55 60

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Leu Leu Asp Gly Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys
65                  70                  75                  80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro
                85                  90                  95

Gln Ala Glu Asn His Ser Thr Asp Gln Glu Lys Asp Lys Val Asn Ser
            100                 105                 110

Leu Gly Glu Lys Leu Lys Thr Leu Arg Val Arg Leu Arg Arg Cys His
        115                 120                 125

Arg Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys
    130                 135                 140

Ser Ala Phe Ser Lys Leu Gln Glu Lys Gly Val Tyr Lys Ala Met Ser
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Glu Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Thr Lys
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Met Lys Asn
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<400> 4

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Met Leu Arg Asp Leu Arg Asp Ala Phe Ser Arg Val Lys Thr Phe Phe
        35                  40                  45

Gln Thr Lys Asp Glu Val Asp Asn Leu Leu Leu Lys Glu Ser Leu Leu
    50                  55                  60

Glu Asp Phe Lys Gly Tyr Leu Gly Cys Gln Ala Leu Ser Glu Met Ile
65                  70                  75                  80

Gln Phe Tyr Leu Glu Glu Val Met Pro Gln Ala Glu Asn Gln Asp Pro
                85                  90                  95
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Glu Ala Lys Asp His Val Asn Ser Leu Gly Glu Asn Leu Lys Thr Leu
100 105 110

Arg Leu Arg Leu Arg Arg Cys His Arg Phe Leu Pro Cys Glu Asn Lys
115 120 125

Ser Lys Ala Val Glu Gln Ile Lys Asn Ala Phe Asn Lys Leu Gln Glu
130 135 140

Lys Gly Ile Tyr Lys Ala Met Ser Glu Phe Asp Ile Phe Ile Asn Tyr
145 150 155 160

Ile Glu Ala Tyr Met Thr Ile Lys Ala Arg
165 170

<210> 5
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Phe Pro Val Gly Gln Ser His Met Leu Leu Glu Leu Arg Thr Ala Phe
35 40 45

Ser Gln Val Lys Thr Phe Phe Gln Thr Lys Asp Gln Leu Asp Asn Ile
50 55 60

Leu Leu Thr Asp Ser Leu Met Gln Asp Phe Lys Gly Tyr Leu Gly Cys
65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Val Glu Val Met Pro
85 90 95

Gln Ala Glu Lys His Gly Pro Glu Ile Lys Glu His Leu Asn Ser Leu
100 105 110

Gly Glu Lys Leu Lys Thr Leu Arg Met Arg Leu Arg Arg Cys His Arg
115 120 125

Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Ser
130 135 140

Asp Phe Asn Lys Leu Gln Asp Gln Gly Val Tyr Lys Ala Met Asn Glu
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Phe Asp Ile Phe Ile Asn Cys Ile Glu Ala Tyr Met Met Ile Lys Met
165 170 175

Lys Ser

<210> 6
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<213> Homo sapiens

<400> 6

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20 25 30

Phe Pro Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp Ala Phe
35 40 45

Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Leu
50 55 60

Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys
65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro
85 90 95

Gln Ala Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu
100 105 110

Gly Glu Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg
115 120 125

Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Asn
130 135 140

Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met Ser Glu
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Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met Lys Ile
165 170 175

Arg Asn

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<220>
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<400> 14
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<400> 17
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<400> 20
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<210> 21
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